

4-08/13

Appl # 10/789,146

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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Original) A method of detecting the position of a foot during a jump takeoff, comprising the steps of:

- (a) providing a plurality of light beams;
- (b) providing a plurality of light detectors for sensing said plurality of light beams;
- (c) enabling at least one light beam at a time of said plurality of light beams, enabling at least one light detector corresponding to said at least one light beam;
- (d) indicating the presence or absence of each one of said plurality of light beams; and
- (e) displaying the position of a foot during a jump takeoff.

2. (Original) The method of detecting the position of a foot during a jump takeoff of claim 1, further comprising the step of:

collimating each one of said plurality of light beams, collimating each one of said plurality of light detectors.

3. (Original) The method of detecting the position of a foot during a jump takeoff of claim 2, further comprising the step of:

collimating each one of said plurality of light beams and light detectors by placing an aperture in front of each one of said plurality of light beams and light detectors.

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4. (Original) The method of detecting the position of a foot during a jump takeoff of claim 1, further comprising the step of:

enabling said plurality of light beams and said plurality of light detectors sequentially.

5. (Original) The method of detecting the position of a foot during a jump takeoff of claim 1, further comprising the step of:

storing the presence or absence of each of said plurality of light beams in a memory.

6. (Original) The method of detecting the position of a foot during a jump takeoff of claim 1, further comprising the step of:

recalling said presence or absence of each of said plurality of light beams from said memory by a recall switch activation.

18. (Original) A jump takeoff position indicator system for detecting and displaying the foot position of an athlete when starting a jump, comprising;

- (a) an infrared light beam emitting device for emitting a plurality of infrared light beams;
- (b) an infrared light beam detecting device for detecting the presence of said plurality of infrared light beams;
- (c) a collimating means for collimating the emission and detection of said plurality of infrared light beams;

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- (d) a synchronization means for synchronizing the emission of said plurality of infrared light beams with the detection of said light beams by said infrared light beam detecting device;
 - (e) a display means for displaying the presence or absence of said plurality of infrared light beams;
 - (f) a memory for storing the status of said plurality of infrared light beams at the moment of takeoff; and
 - (g) a recall switch for recalling and displaying said status on said display means;
- whereby the foot position at jump takeoff is stored and displayed at the desired time.

19. (New) A jump takeoff position indicator system comprising:

- (a) a light beam emitting assembly containing a plurality of infrared light emitting devices for emitting a plurality of infrared light beams;
 - (b) a light beam detecting assembly containing a plurality of infrared light detecting devices for detecting the presence of said plurality of infrared light beams;
 - (c) a collimating means for collimating one of said infrared light emitting devices to one of said infrared light detecting devices;
 - (d) a storage means for electronically storing the absence of one or more of said plurality of infrared light beams; and
 - (e) a display means for displaying the absence of one or more of said plurality of infrared light beams;
- whereby said jump takeoff position indicator system of claim 18 can detect, store, hold, and display the position of the athlete's foot at the moment of takeoff.

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20. (New) Said jump takeoff position indicator system of claim 18 in which both said light beam emitting assembly and said light beam detecting assembly contain a microprocessor that enables and synchronizes said plurality of infrared light emitting device and said plurality of infrared light detecting devices to operate in a single emitter and detector pair;

whereby said jump takeoff position indicator system of claim 19 may be battery-powered.